

EXHIBIT 2

TABLE 4. TWO STAGE MALEIC ACID HYDROGENATION

TABLE 5A. FIRST STAGE ADIABATIC SIMULATION

CATALYST	PM4aR4	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT (h)	AVERT (°C)	AVERT QHSV	AVERT LHSV	AVERT MAG	AVERT H2/G4	RDQ	THE	QBL	BUOH	PROH	2SG	NOTES
JB81	4:4:9	Extrud.	16762-67		BDORX12	7-16	126	2101	0.57	40	126	9.9	0.0	0.0	28.0	52.1			Adiabatic 122/13400
			16763-1			50-66	127	9999	1.28	40	93	0.0	0.0	0.0	28.3	74.7			Adiabatic 122/13100
						68-126	127	15706	1.77	40	93	0.0	0.0	0.0	18.7	80.3			Adiabatic 124/12000
						130-165	131	8823	1.70	40	81	0.0	0.0	0.0	21.5	78.8			Adiabatic 127/13600

TABLE 5B. SECOND STAGE ADIABATIC SIMULATION

CATALYST	PM4aR4	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT (°C)	AVERT QHSV	AVERT LHSV	AVERT H2/G4	RDQ	THE	QBL	BUOH	PROH	2SG	NOTES
J363	4:4:6	Extrud.	16783-46		BDORX12	32-41	182	2284	0.78	36	83.5	6.0	2.1	5.8	0.5		Adiabatic 189/18900
						50-96	177	3810	0.78	67	84.2	7.5	3.3	4.2	0.3		Adiabatic 185/18900
						88-108	188	5613	0.75	89	78.3	11.1	7.8	2.7	0.1		Adiabatic 184/17900

COMPARISON OF SECOND STAGE SIMULATION IN 40 C.C. AND 200 C.C. REACTORS

CATALYST	PM4aR4	REACTOR FORM	REFERENCE	TOS (h)	AVERT (h)	AVERT (°C)	AVERT QHSV	AVERT LHSV	AVERT H2/G4	RDQ	THE	QBL	BUOH	PROH	2SG	NOTES
JB83	4:4:9	200 c.c.	Extrud. 16783-46	50-96	177	0.76	87	64.2	7.6	5.3	4.2	0.3	Adiabatic: 185/18900			
JB84	4:4:9	40 c.c.	Extrud. 16819-76	40	165	0.56	85	79.9	9.3	0.3	8.5	0.4	160°C Bat Temperature			

TABLE 5D. SECOND STAGE SIMULATION WITH OXIDIZED CARBON CATALYST

CATALYST	PM4aR4	FORM	REFERENCE	START DATE	DATA TABLE	TOS (h)	AVERT (h)	AVERT (°C)	AVERT QHSV	AVERT LHSV	AVERT H2/G4	RDQ	THE	QBL	BUOH	PROH	2SG	NOTES
16861-89	4:4:9	Extrud.	16783-93		BDORX14	21-43	172	3884	0.95	72	44.0	4.3	37.12	1.7	0.8			12.9
						47-87	177	3017	0.71	51	46.1	6.8	36.8	1.6	0.0			7.9
16861-84	4:4:9	Extrud.	16861-4		BDORX18	9-36	176	3452	0.68	73	70.0	3.3	18.3	4.7	0.7			2.9